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STAT

Chiefs Design Units

" Development

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NO CHANGE IN CLASS. X
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CLASS. CHANGED TO: TS S C
NEXT REVIEW DATE:
AUTH: HR 70-2
DATE: 4/12/80 REVIEWER: 037169

Subject: Requirements for Project 2054.

1. Discussion ~~has~~ with operations and Engineering Chiefs has clarified the operational problems & to the extent that the these requirements are submitted for immediate action in formulating a design plan.

2. The basic requirement is for a combination ground-platable, droppable Beacon transmitter having the following characteristics:

(a) ~~T~~. Power - Batteries

(b) ~~T~~. Duty cycle - 2 hours (min) w/o recharge or replacement of batteries.

(c) ~~T~~ Controls - off-on switch

(d) ~~R~~ Freq Control - one cc channel - preset.

(e) ~~R~~. Receiver - Standard mil. aircraft radio compass or equal-ins portable ground type.

(f) ~~R~~. Range - reliable 50 miles min. to aircraft at 500 feet. under all wx cdx that permit military flying. (or 1 mile thru heavily wooded terrain) worst of two

(g) ~~T~~. Size & Weight - as miniaturized as will allow solution of other requirements. Certainly less than project 2027 equipment.

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(h) Shock protection - Normal for Agent type gear (RS-6 for example)

(i) Emission - AM; most likely A2 is best but A3 is desirable. (The cost in size-weight & life will be determining factors - not percentage - Total lbs!)
MUST WORK with some STANDARD mil. Aircraft Homing / Nav. Receiver

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